

Roll Out The Barrels

Assembly Directions

MAEOE 2002 Workshop
Presented by Arlington Echo Outdoor Education Center



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Assembly Directions

Please follow the directions carefully in order to create you own rain barrel.

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Parts List

- Barrel
- Pond Basket
- 1¼" barbed fitting w/ female threaded end
- 1¼" male coupling
- 5' section of sump pump hose
- ½" barbed fitting w/ male threaded end
- 5" section of garden hose
- Hose coupler for 5/8" and ¾" garden hose
- Shutoff valve w/ male and female threaded ends
- 1-hose clamp fits 3/8" to ¾" hose
- 1 hose calmp fits ¾" to 1 1/8" hose
- 10" x 10" piece of fiberglass screen material

Tools Needed

- Marker
- Compass
- Ruler
- Drill
- ½" spade bit
- ¾" & 1 5/8" hole saw
- Straight screwdriver
- PVC glue
- Silicone sealant
- Pliers
- Jigsaw



STEP 1 (using template)

Make a template using your basket as a guide. Template makes multi-barrel production easier



STEP 2 (using template)

Place your template over the center of the barrel and trace the outline onto the barrel lid.



STEP 1 (using compass)

Determine the inner diameter of your basket and divide by 2.



STEP 2 (using compass)

Set your compass for the radius of you basket.



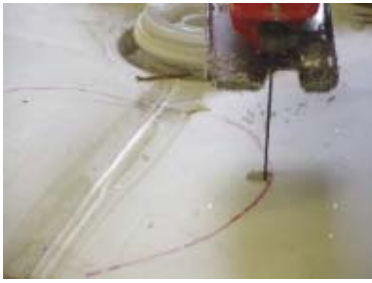
STEP 3 (using compass)

Create the cutting line, in the center of the barrel, using your preset compass.



STEP 4

Pre-drill a hole in the barrel using the ½" spade bit.



STEP 5

Use the Jigsaw to cut out the circle you have drawn.



STEP 6

Wash out the barrels thoroughly with soap and water.



STEP 7

Determine the location of your lower drain hole and cut it out with the 3/8" hole saw.



STEP 8

Determine the location of the upper overflow hole and cut it out with the 1 5/8" hole saw.



STEP 9

Coat the threads of the 1 1/4" white male coupling with silicone sealant.



STEP 10

Place the threads of the coupling through the upper overflow hole, from the inside of the barrel.



STEP 11

Thread the gray 1 1/4" barbed fitting onto the threads of the white coupling.



STEP 12

Coat the threads of the gray 1/2" barbed fitting with silicone sealant



STEP 13

Screw the barbed fitting into the lower drain hole.



STEP 14

Place the large hose clamp onto the 5' section of sump pump hose and attach it 1 1/4" barbed fitting at the overflow.



STEP 15

Attach the 5" section of garden hose to the hose coupler.



STEP 16

Put the small hose clamp onto the 5" section of garden hose. Push the hose onto the barbed fitting and tighten the clamp down.



STEP 17

Thread the shut off valve onto the hose coupler.



STEP 18

Cut your screen material to fit the surface of the basket. Use PVC cement to seal it to the lip of the basket.



STEP 19

Set the basket into the hole on the top of the barrel.



STEP 20

Use a drill bit to put drain holes around the inside of the barrel lip.



STEP 21

Use a drill bit to put drain holes around the threaded caps.